

INDIANA ENVIRONMENTAL STEWARDSHIP PROGRAM ANNUAL PERFORMANCE REPORT

State Form 53475 (R8 / 1-22)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
ENVIRONMENTAL STEWARDSHIP PROGRAM

Indiana Department of Environmental Management Office of Program Support MC 64-00, Room IGCN 1316

MC 64-00, Room IGCN 1316 100 North Senate Avenue Indianapolis, IN 46204-2251 Telephone: (800) 988-7901 FAX: (317) 233-5627 E-mail: esp@idem.IN.gov

Please use this form if you are a member of the Indiana Environmental Stewardship Program (ESP) to report on progress toward objectives and targets AND certify ESP requirements continue to be achieved. Indiana ESP facilities must submit an Annual Performance Report (APR) by April 1st of every year, for each calendar year in which the entity has been a member for at least three (3) full months. Membership terms are renewed every four (4) years through submitting your APR. Your APR should be reviewed and signed by a senior manager at your facility prior to submittal. Once signed, e-mail the APR to IDEM at esp@idem.IN.gov. Please do not include any confidential business information in your annual performance report. Public access laws require IDEM to make the APR publicly available, which may include posting all portions of your report on the Indiana ESP Web site. If you have any questions, please contact IDEM at esp@idem.IN.gov or (800) 988-7901.

This form will also be used for ESP members who are also members of the Indiana Partners for Pollution Prevention Program to recertify their membership and reaffirm their commitment to the Partners Pledge.

and reaffirm their commitment to	the Partners Pledge.				
SECTION A	FACILITY IN	FORMATION			
Name of facility					
Seymour Engine Plant	•				
Name of parent company (<i>if app</i>	licable)				
Street address (number and street 800 E 3rd Street	eet)				
City / State / ZIP code Seymour, IN 47274					
County Jackson					
Website of facility / company Cummins.com					
How many employees (full time	equivalents) currently work at your facility?				
	CONTACT II	NFORMATION			
Name of Primary Contact (Mr. /	Mrs. / Ms. / Dr.)	Title			
Mr. Brian Smith		HSE Leader			
Telephone number	Mobile phone number	E-mail address			
\$12-524- \$ 472	\$ 17-989- 7 443	brian.d.smith@cummins.com			
City / State / ZIP Code					
Name of Secondary Contact (Mr Mr. David Beckwith	r. / Mrs. / Ms. / Dr.)	Title Environmental Consultant			
	Mobile abone number	E-mail address			
Telephone number	Mobile phone number 617-345-9332	david.beckwith@cummins.com			
Mailing address (if different from					
City / State / ZIP Code					
	DEPORT	NO REPURD			
Reporting period dates from prior	or calendar year (<i>mm/dd/yyyy – mm/dd/yyyy</i>)	NG PERIOD			
1/1/2021 - 12/31/2021	Transition year (mm/ou/yyyy = mm/ou/yyyy)				
1a. Is this the fourth ESP Annu ☐ Yes—If yes, answer qu ☐ No—If no, skip to ques	ual Performance Report of your membership t estion 1b. tion 2a.	term?			
☐ Yes—If yes, please ans	r Indiana Environmental Stewardship Program swer question 2a and complete all sections of ver question 2a and complete all sections of the	this annual report.			
 2a. Are you a member of the Indiana Partners for Pollution Prevention (Partners) Program? ■ Yes—If yes, answer question 2b. □ No—If no, skip to the "Change in Information" section of this report. 					

	REPORTING PERIOD (CONTINUED)			
2b. Do you wish to recertify your Partners for Pollution Prevention (Partners) Pledge? ■ Yes—If yes, please complete all sections of this annual report. □ No—If no, please complete all sections of this annual report except for Section F.				
	CHANGE IN INFORMATION	al Page		
	n and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been an b your facility's list of products or activities?	ny		
☐ Yes—If yes	es, please describe them:			
■ No				
OCCUPANT D	PURILO OUTREACU AND REPEOPMANOE REPORTING			
Why do we need this in IDEM needs to know how public.	PUBLIC OUTREACH AND PERFORMANCE REPORTING information? ow environmental information was shared with the Describe how the facility has sl plans to share environmental ini	hared and		
report publicly on its envi	the activities that your facility conducted during this reporting period to interact with the community on environmental issues a divironmental performance. Company performance to include SEP made public at the Corporate level.	and to		
as many as appropriate.		e check		
☐ Web site (http://www	V) ☐ Open nouse ■ Meetings ☐ Press releases ☐ Otner:			
criteria and use an ISO 1 thirty-six (36) months to a	implemented an EMS that meets certain 14001 EMS Lead Auditor at least every about your assess the EMS.			
What is the most red	ecent date that an ISO 14001 EMS Lead Auditor performed an EMS assessment at your facility? 8/27/2021 - 8/30/2021			
Name, title, and orga Brijesh Krishnan - Global Environm	ganization of ISO 14001 EMS Lead Auditor who conducted the most recent EMS assessment:			
3. Is the date of the mo	nost recent EMS assessment performed by an ISO 14001 EMS Lead Auditor within the past thirty-six (36) months?			
Yes—If yes	ves, skip to Question 4.			
	o, please have your ISO 14001 EMS Lead Auditor complete and sign the following checklist, indicating whether or not your Elects the listed criteria for ESP membership:	MS		
Yes No	Evidence of senior management support, commitment, and approval.			
Yes No	A written environmental policy directed toward compliance, pollution prevention, and continuous improvement.			
Yes No	Identification of the environmental aspects at the entity.			
Yes No	Prioritization of the environmental aspects and a determination of those aspects deemed significant considering, at the menvironmental impacts and applicable laws and regulations.	ninimum,		
Yes No	Established priorities, and environmental objectives and targets for continuous improvement in environmental performant for ensuring compliance with applicable environmental laws, regulations, and permit conditions. Objectives and targets me beyond current legal requirements and specify the environmental media, types of pollution to be prevented or reduced, implementation activities, and projected time frames.	ce and nust go		
Yes No	An established community outreach mechanism that includes identifying and responding to community concerns; informic community of important matters that affect the community; and reporting on the EMS, including reporting to the public on environmental policy and significant aspects.	ng the the		
Yes No	community of important matters that affect the community; and reporting on the EMS, including reporting to the public on	the		
	community of important matters that affect the community; and reporting on the EMS, including reporting to the public on environmental policy and significant aspects. Incorporation of environmental and pollution prevention planning in the development of new products, processes, and set	the		
Yes No	community of important matters that affect the community; and reporting on the EMS, including reporting to the public on environmental policy and significant aspects. Incorporation of environmental and pollution prevention planning in the development of new products, processes, and set and modifications of existing processes. Evidence of clear responsibility for implementation, training, monitoring, EMS maintenance, taking corrective action, and	the		
Yes No	community of important matters that affect the community; and reporting on the EMS, including reporting to the public on environmental policy and significant aspects. Incorporation of environmental and pollution prevention planning in the development of new products, processes, and set and modifications of existing processes. Evidence of clear responsibility for implementation, training, monitoring, EMS maintenance, taking corrective action, and compliance with applicable environmental laws, regulations, and permit conditions.	the		
Yes No Yes No Yes No	community of important matters that affect the community; and reporting on the EMS, including reporting to the public on environmental policy and significant aspects. Incorporation of environmental and pollution prevention planning in the development of new products, processes, and set and modifications of existing processes. Evidence of clear responsibility for implementation, training, monitoring, EMS maintenance, taking corrective action, and compliance with applicable environmental laws, regulations, and permit conditions. Documentation of the implementation procedures and the results of implementation.	the		
Yes No Yes No Yes No Yes No Yes No Yes No	community of important matters that affect the community; and reporting on the EMS, including reporting to the public on environmental policy and significant aspects. Incorporation of environmental and pollution prevention planning in the development of new products, processes, and set and modifications of existing processes. Evidence of clear responsibility for implementation, training, monitoring, EMS maintenance, taking corrective action, and compliance with applicable environmental laws, regulations, and permit conditions. Documentation of the implementation procedures and the results of implementation. Appropriate written EMS procedures.	the		

SEC	CTION C	ENVIRONMENTAL MANAGEMENT SYSTEM ASSESSMENT CONTINUED
4	Were an	y deficiencies found during the most recent EMS assessment?
		Yes—If yes, describe any deficiencies found and the corrective action taken to address each deficiency:
		Minor Non-Conformance Per Cummins Corporate procedure - Hazardous shipments via air must be approved by transportation director prior to shipment. Site level policy did not align with Cummins corporate requirements for seeking this approval. Site policy has been updated to include corporate procedure and shipments moving forward are following approval process.
		No
5.	What typ	e of protocol was used to perform the independent EMS assessment? ISO 14001:2015 Certified audit ESP Independent Assessment Protocol Other (please specify):
6.		AS certified to a recognized standard? Yes—If yes, what standard does the EMS follow (please provide a copy of the most recent certificate)? ISO 14001:2015 Responsible Care EMS Responsible Care 14001
7.	When wa	as the last Senior Management review of your EMS completed?
	Mor	nth / Year: 7/30/2021 (Next review is scheduled for 3/11/2022)
	Who	b headed the review (name and title)? Tyler Hudson - Environmental Leader
8.	organiza Sco	pe of the compliance audit:
		o conducted the audit(s) (e.g., facility staff, corporate, third party)?
1		nal facility staff
9.	EMS effe	the emergencies experienced within the facility during the past year. Were the applicable emergency and contingency plans detailed in the active? What changes, if any, have been made to your facility's emergency or contingency plans? during the COVID 19 response and to ensure the health and safety of the employees and maintain effective operation.
10.	Has your	facility corrected all instances of potential environmental non-compliance and EMS non-conformance identified during your audits and other ents?
	improver	lf yes, briefly summarize corrective actions taken and other
Site	level policies	and training were updated to reflect new corporate standards related to shipment of Hazmat items via air.
SEC	CTION D	ADDITIONAL INFORMATION
This	informati	eed this information? What do you need to do? on will help IDEM to effectively manage the Answer the questions as completely as possible. I Stewardship Program.
1.	In addition	on to ESP, please list environmental awards received or voluntary programs participated in during the past twelve (12) months. SO 50001 2018 and Superior Energy Performance. Verified 6.1% improvement in energy performance from 2017 to 2020.
2.	Has your	facility taken advantage of any ESP incentives? If so, please describe the implementation process and list additional benefits IDEM should
Yes -	Received 24	hour notice prior to Title V inspection. Quarterly and annual meetings.

	ESP be		red to the ISO 14001 standard pri n achieving registration?	or to becoming an ESP member	, has ESP helped you to pursue registration? If so, how
4. Are the ESP and/or Partners group meeting your expectations? Please provide feedback or suggestions. Yes - meetings have been helpful and facilitate discussion within the virtual format.					
SECTIO	N D		ADDI	TIONAL INFORMATION (CONT	INUED)
		ember of Partner o pollution prever		organization's pledge to the Par	rtners and provide additional information regarding
Yes	No				
		Ensure en in the facil		commitment to P2 and understa	and their role in implementing P2 objectives and goals
		2. Your facili	ty has incorporated P2 planning in	the development of new produc	ets, processes, and/or services.
		3. Your facili	ty established a mechanism to mo	onitor waste generation and ident	tify realistic P2 goals.
		4. Your facili	ty has established a process to lis	ten and respond to stakeholder o	concerns.
			ty makes available your general w f requested?	aste reduction and P2 information	on to members of our community, IDEM, and the
			ty has participated in or conducted ed experiences within quarterly P2/ESP mee		details of your P2 efforts; please specify:
		7. Your facili	ty has participated in two or more	Partners meetings in the last yea	ar.
		8. Your facility supported the annual Pollution Prevention Conference and Trade Show. Please check all that apply: Financial sponsorship One or more attendees from your facility Other (specify) Registered and purchased tickets to attend but was unable to attend due to unforeseen circumstances.			
SECTION E ENVIRONMENTAL IMPROVEMENT INITIATIVE RESULTS Why do we need this information? Facilities need to share the results of the environmental improvement initiative that was pursued during the reporting period. IDEM needs to report cumulative program reduction results. ENVIRONMENTAL IMPROVEMENT INITIATIVE RESULTS What do you need to do? Reference Section F for "Category" and "Indicator" options to complete this section. Summarize your facility's progress on achieving the initiative you identified in the application or last year's APR. For					
Initiative	e #1			assistance	, please call (800) 988-7901 or email <u>esp@idem.IN.gov</u> .
	/ 1: Energy		Baseline (indicate measurement unit)	Current (indicate measurement unit)	Cost Savings
Calenda	r year		2020	2021	
Actual q	uantity (p	er year)	138,353	121,827	\$50,564
Producti	Production unit (select one) Earned Labor Hours Production units Production lbs. Other specify (e.g. Gallons, length, etc.)				
Producti	on Quant	tity	487	455	NA
Normaliz	ation fac	tor (Current year	production ÷ Baseline year produ	ction) 0.93	
			nt year quantity - Actual baseline o		15, 369 gallons saved (Normalized)
Briefly describe how you achieved improvements for environmental initiative #1 or, if relevant, any circumstances that delayed progress. QSK95 test cell operation improvements led to reduced test time and fuel reduction for each 95L engine produced.					
Initiative #2					
Category			Baseline	Current	
		9 CT Eletricity	(indicate measurement unit)	(indicate measurement unit)	Cost Savings
	year		2020	2021	

\$970

22,600 KWH

33,300 KWH

Actual quantity (per year)

	T			
Production unit (select one) Earned Labor Hours Production units Production lbs. Other specify (e.g. Gallons, length, etc.)				
Production Quantity	N/A	N/A	NA NA	
Normalization factor (Current yea	r production ÷ Baseline year produ	uction) N/A		
Normalized quantity (Actual curre	nt year quantity - Actual baseline	quantity) x Normalization factor 1	0,700 KWH per year savings	
Briefly describe how you achieved	d improvements for environmental	initiative #2 or, if relevant, any c	ircumstances that delayed progress.	
Replaced aging cooling tower with new more	•			
Initiative #3			T	
Category 3: Water	Baseline	Current	Cost Savings	
Indicator 3: PAD 8/9 CT Water	(indicate measurement unit)	(indicate measurement unit)		
Calendar year	7,290,000 Gallons	5,400,000 Gallons		
Actual quantity (per year)	2020	2021		
Production unit (select one)	Earned Labor Hours		duction lbs.	
, , ,	Other specify (e.g. Gall	ons, length, etc.)		
Production Quantity	N/A	N/A	NA	
Normalization factor (Current yea	r production ÷ Baseline year produ	uction) N/A		
Normalized quantity (Actual curre	nt year quantity - Actual baseline	quantity) x Normalization factor 1	,890,000 gallons per year. (Estimated by engineering analysis)	
Briefly describe how you achieve	d improvements for environmental	initiative #3 or, if relevant, any c	ircumstances that delayed progress.	
Replaced aging cooling tower with new more	efficient unit.			
SECTION E	ENVIRONMENTA	L IMPROVEMENT INITIATIVE	RESULTS	
		CONTINUED		
	_		multiple initiatives, please indicate which specifically.	
	vements in efficiency related to the test pad of			
2 Are there other best managem	ent practices (BMPs) you can sha	re correlating to your initiative(s)	2	
Review of data and project statuses with seni		ile correlating to your initiative(s)	:	
3. If the objectives and targets as	sociated with the environmental in	nprovement initiative(s) were not	attained, please verify continued progress toward the	
environmental initiative(s). If mult	iple initiatives, please indicate whi	ch specifically.		
4. Please provide a narrative summary of progress made toward <i>qualitative, significant</i> EMS objectives and targets, if any.				
PLANET 2050 is Cummins Environmental Sustainability Strategy. The strategy sets big targets for 2050 and specific goals for 2030. It will help employees see the roles they and Cummins play in our company's and planet's sustainabile future. Cummins has created a Planet 2050 ambassador program to foster stewardship and incorporate sustainability in all aspects of the business throughout the product				
company's and planet's sustainable tuture. Cummins has created a Planet 2050 ambassador program to toster stewardship and incorporate sustainability in all aspects of the business throughout the product life cycle.				
5. Please list any state, U.S. EPA, or other partnership programs to which you are reporting this data (e.g., Energy Star, DOE Energy Performance, state				
award application).				
Department of Energy - Superior Energy Performance program.				
			PARTY PROMISE (PARTY) of the ECD Annual Marking	
6. Would your facility be willing to share the environmental improvement initiative(s) and its best management practices (BMPs) at the ESP Annual Meeting and/or a Partners for Pollution Prevention quarterly meeting or conference? Yes No				
and/or a Partners for Poliution Prevention quarterly meeting or conference?				

SECTION F

FUTURE YEAR ENVIRONMENTAL IMPROVEMENT INITIATIVE

Why do we need this information? Facilities need to show they are committed to improving their environmental performance. What do you need to do? Refer to the Environmental Performance Table and answer the following questions.

1. Select the appropriate boxes in the following table to indicate the category and indicator(s) that represents the future environmental improvement initiative selected by your facility. For the category and indicator selected, list the baseline year (e.g., 2022) and the future year (e.g., 2023). Next, list the baseline annual quantity (e.g., 5 tons) and future annual quantity (e.g., 2 tons) you are committing to achieve by the end of the future year.

Category	Indicator	Baseline Year 20 18	Future Year 20 30	Unit
	☐ Recycled content			☐ Pounds, ☐ tons☐ gallons
☐ Material Procurement	☐ Hazardous/toxic components			☐ Pounds, ☐ tons☐ gallons
Suppliers' Environmental Performance	☐ Specify indicator:			As specified for the particular indicator
4	☐ Materials used			☐ Pounds, ☐ tons☐ gallons
☐ Material Use	☐ Hazardous materials used			☐ Pounds, ☐ tons☐ gallons
	Ozone depleting substances used			CFC-11 equivalent pounds
	☐ Total packaging materials used			☐ Pounds, ☐ tons
Water Use	■ Total water used	50,460,972	35,322,680	Gallons
	☐ Electricity			☐ kWh, ☐ MWh
	☐ Steam			☐ kWh, ☐ MWh, ☐ gallons, ☐ ft³
	☐ Natural gas			☐ Btu, ☐ MMBtu
	Diesel			Gallons
	☐ Propane / LPG			☐ Btu, ☐ MMBtu, ☐ gallons
☐ Energy Use	Gasoline			Gallons
	Solar			☐ kWh, ☐ MWh
	Wind			kWh, MWh
	☐ Landfill gas			☐ Btu, ☐ MMBtu
	☐ Combined heat and power			kWh, MWh,
	☐ Other:			
	☐ Land and habitat conservation			☐ Square feet, ☐ acres
☐ Land and Habitat	☐ Community land revitalization			☐ Square feet, ☐ acres
	■ Total□GHGs	49,752	24,876	MTCO2E
	□ VOCs			☐ Pounds, ☐ tons
	□ NOx, SOx, PM _{2.5} , PM ₁₀ , or CO			☐ Pounds, ☐ tons
Air Emissions	☐ Air toxics			☐ Pounds, ☐ tons
	Odor			European Odour Units
	Radiation			☐ Curies, ☐ Becquerels
	☐ Dust			☐ Pounds, ☐ tons
	☐ COD or BOD			☐ Pounds, ☐ tons
	Toxics			□Pounds, □ tons
	☐ Total suspended solids			□Pounds, □ tons
☐ Discharges to Water	Nutrients			□Pounds, □ tons of □ N or □ P
	☐ Sediment from runoff			□Pounds, □ tons
	☐ Pathogens			☐MPN/ml, ☐ CFU/ml

Category	Indicator	Baseline Year 20	Future Year 20	Unit	
	Landfill			□Pounds, □ tons	
	☐ Incineration			☐Pounds, ☐ tons	
☐ Non-hazardous Waste ☐ Hazardous Waste	☐ Reused/recycled off-site			☐Pounds, ☐ tons, ☐gallons	
	Other:			☐Pounds, ☐ tons,☐gallons	
□ Noise	□ Noise			dBA	
☐ Vibration	☐ Vibration			Inches per second	
	☐ Expected lifetime energy use			□kWh, □ MWh, □ Btu, □ MMBtu,	
	☐ Expected lifetime water use			Gallons	
☐ Products	Expected lifetime waste to air, water, or land from product use			☐ Pounds, ☐ tons	
	☐ Waste to air, water, or land from disposal or recovery			☐ Pounds, ☐ tons	
If the future environmental improvement initiative(s) will be qualitative in nature, please describe. What activities or process changes do you plan to undertake at your facility to accomplish your future initiative (e.g., technology changes in a particular process line, employee training)? Technology improvements in test cell operations, facility building improvements, and processes and packaging improvements to reduce waste. Does this future initiative address a significant aspect in your EMS? Yes No—If no, please explain why you believe this indicator should be included as an environmental improvement initiative:					
	CERTIFIC	ATION AND PLEDGE			
On behalf of (name of facility) Se	ymour Engine Plant				
I certify that the information contained in this Annual Performance Report and attachments is accurate to the best of my knowledge and that this facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with all applicable federal, state, and local environmental requirements, or has a corrective action program in place to attain compliance.					
We, Seymour Engine Plant , commit to maintaining the principles and goals outlined in our Environmental Management System for our facility's Indiana Environmental Stewardship Program status. We agree to strive for full compliance with all regulations promulgated by the U.S. EPA, state, or local jurisdictions. We agree to promote the Indiana Environmental Stewardship Program and to share our success stories with other facilities. We understand that we must meet the requirement of implementing one (1) new, independent environmental improvement initiative each year of membership (for a total of four (4) initiatives), that the Annual Performance Report must be submitted to IDEM by April 1st of each year, and that we must reapply to the Indiana Environmental Stewardship Program every four (4) years. I understand that the information provided in this Annual Performance Report will be public record. I am the senior facility manager or authorized facility signatory, and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is submitting this Annual Performance Report.					
· one-manus · ope-W					
Signature	kD			Date (month, day, year)	
Printed signature Title				10100	
Printed signature Printed signature Title Plant Manager					